



OFFICE OF PROCUREMENT SERVICES  
315 WEST MAIN STREET, SUITE 416  
PO BOX 7800  
TAVARES FL 32778-7800

PHONE: (352) 343-9839  
FAX: (352) 343-9473

[www.lakegovernment.com](http://www.lakegovernment.com)

### **ADDENDUM NO. 3**

**Date: September 26, 2007**

**Landfill Construction  
Class I Phase III Landfill – MSW Cell 1 and Ash Monofill Cell 1  
for the Lake County Landfill Located in Tavares  
BID No.: 07-0005**

This addendum is being issued to make the following changes, corrections, clarifications and additions to the bidding document in response to questions raised at the mandatory pre-bid conference held on September 10, 2007 and other questions submitted to the Lake County Procurement Office. Respondents shall acknowledge receipt of this addendum in the appropriate space on their bid response. Failure to acknowledge this addendum may preclude consideration of the bid proposal award.

1. Delete the requirement for Builders Risk Insurance listed in Section 5, Article 5.1 (iv), Specific Insurance Requirements.
2. Section 5, Article 5, Specific Insurance Requirements, (vi) – Change the words “Any Change” to “Substantial modification”.
3. Section 4, Performance Bond Form, 4 requires prompt payment for all persons whose claims derive from the work. This requirement is redundant with the Payment Bond and can be deleted from the Performance Bond.
4. In Section 2.13.2 of the Invitation to Bid (ITB 07-0005) it states that each bidder is required to submit a Critical Path Method (CPM) with the bids. CPMs will only be required from the winning bidder. This item is not required from each individual bidder.

5. Specification 02500 Part 3 references Section 165 of the FDOT Standard Specifications for Road and Bridge Construction, 2004 edition. The 2007 edition of the FDOT Standard Specifications for Road and Bridge Construction refers to this item as Section 160. As indicated in Section 160 of the FDOT 2007 Standard Specifications, six inches of granular subbase strictly meeting the requirements of Section 290 may be substituted for the 12 inches of Type B Stabilization requiring an LBR value of 40, as originally described in Detail A on Drawing 000-C-005.
6. Detail A on Sheet 000-C-005 refers to striping on pavement. No striping is required as part of this project.
7. Detail A on Sheet 000-C-005 is the standard paving section for Lake County. The Contractor shall construct the paved roads to these specifications, unless otherwise specified. If used, Type S-I Asphalt shall be placed in two lifts as specified in the drawings. Type S-III Asphalt may be placed in one 2-inch lift.
8. Part 3.03 of Specification 02500 regarding the asphalt paving was inadvertently omitted from the specifications. This part should read:

*“3.03 ASPHALT CONCRETE PAVEMENT*

*Placement of asphalt concrete pavement shall comply with Lake County Standards. Berms shall be shaped and compacted with an extrusion machine.”*

The Lake County standard paving section, including material specifications for each layer, is included in the Design Drawings as Detail A on Sheet 000-C-005.

9. The asphalt mixture may include up to 30% recycled asphalt (maximum).
10. As indicated in the drawings and specifications, all sloped areas of the construction outside of the waste cells are to be sodded. This includes the sides of the road and perimeter berm between the Ash and MSW Cells. The top of the berm and road shall be constructed as shown and described in the plans, specifications and addenda. Disturbed areas on existing slopes shall also be sodded. The bottom of the stormwater ponds shall remain bare. It is the Contractor's responsibility to estimate the quantity of sod required for this project.

Disturbed flat areas (slope < 2.0%) shall be sodded or seeded when construction is complete in those areas. The Contractor shall prepare a seeding plan for approval by the Owner and Engineer for areas to be seeded. At the end of the project, all areas of new construction and all other areas disturbed by on-site construction activity shall be sodded or seeded, or otherwise returned to their existing condition except for the areas associated with the roads, berms and stormwater ponds identified above.
11. The grades for the roads and berms from the MSW Cell to the Ash Cell, as shown on Sheet 300-C-001, represent the finished surface of the berms and roads, not subgrade elevations.

12. Specification Section 02925 Part 2 details the required properties of the topsoil beneath the sod. The topsoil shall have a minimum thickness of 4 inches. No separate topsoil layer is required if the specifications can be met with just the topsoil that accompanies the sod layer. In the event that the sod does not survive for 45 days after Substantial Completion of the project, due to lack of maintenance, improper installation and placement, erosion, or poor sod quality, it will be the responsibility of the Contractor to replace all damaged sod and address the cause of the growth failure.
13. It is the Contractor's responsibility to optimize the use of on-site soil excavated during new cell and stormwater pond construction for fill applications. However, the Owner and Engineer are aware that there is a shortfall of excavated soil material for the project when the 24-inch protective soil layer above the liner is included in the calculation. Figure 1 in Addendum 2 shows the borrow area on-site where additional soil can be obtained.
14. Sheets 200-C-001 and 300-C-001 show different layouts for the northeast corner of the Ash Cell. Sheet 200-C-001 shows the area correctly.
15. It is not the intent of the design to change the grades of the existing road on the south side of the Ash Cell and the east side of the MSW Cell.
16. The use of electrofusion or flange fittings will be acceptable in areas or applications where butt-fusion of the pipe is impractical or not possible. As much as possible, the pipelines for this project shall be fused prior to installation.
17. The use of 304 stainless steel backup rings and bolt kits, full face neoprene gaskets, and HDPE blind flange adaptor fittings is acceptable for leachate collection system riser pipes and other flange connections, as applicable.
18. All perforated leachate collection pipes and surrounding gravel and geotextile shall be constructed as shown in Detail D on Sheet 000-C-001. It is the intent of the design that all perforated pipes within the cells shall be surrounded with gravel and geotextile.
19. All pipelines on this project are single-walled pipes. No double walled pipes are called for on this project.
20. The Leachate Connection Vault for the Ash Cell 1 detailed in Drawing No. 000-M-004 shall be furnished and installed by the Contractor. It is the intent of the design that the vault be precast concrete in accordance with Specification Section 03401, a copy of which is attached. The Access Hatch for the vault shall be constructed in accordance with Specification Section 08305, a copy of which is also attached. After additional review, it has been determined that a circular vault using a 10-ft diameter precast manhole section sitting on a precast base slab will be easier to construct and will facilitate access to meters and valves within the vault. A modified detail for the Ash Cell Leachate Connection Vault is presented on the attached Figure 1.

21. The existing PVC leachate forcemain along the west side of the Phase II Landfill is approximately 36" below grade according to information available from the County. The pipe may be deeper or shallower in some areas, depending on site activities in the area. It is the Contractor's responsibility to verify the actual depth of the existing PVC pipe prior to design and installation of the Cell 1 Leachate Connection Vault, as shown in Detail A on revised Drawing 000-M-004.
22. The individual forcemain pipes and conduits specified in Drawing No. 000-C-004 Detail A and B are to be installed within the cell berms according to the details shown in the drawing. The varying depth of the pipes will facilitate future connections to the pipelines from and to the landfill cells.
23. The electrical drawings call out a 200-amp, 3-phase ATS on Sheet 000-E-003. This ATS is existing.
24. All of the fixtures shown on drawings 100-E-001 and 300-E-001 are indicated as "Type B" fixtures. However, the single fixture shown on 100-E-001 and the five fixtures shown around the perimeter of the retaining/containment wall on 300-E-001 are to be "Type A" fixtures.
25. Note 8 on Sheet 300-E-001 reads "NEMA 4X SW. W/ START/STOP & EM. STOP PB".
26. Sheet 300-E-001 shows several devices that are not described on the sheet. These devices are described below:

Device J – a junction box as described in Specification 16110 Part 2.02.

Device M – the motor used in the operation of the actuated valves as described in Specification 15140.

Device FE – a flow element described in Specification 17212.

Device FT – a flow transmitter as described in Specification 17212.

Device LE – a level element as described in Specification 17212.

Device LT – a level transmitter as described in Specification 17212.

Device PC – a photo-controller as manufactured by TORK 24-Hr DG Series with Photo Control Input.

Device PC/TC – see Device PC above.

Specification 17212 has been included with this addendum.

27. Sheet 300-E-001, General Note 2 states that all conduits shall be painted rigid aluminum. Conduits are not required to be painted.
28. The control panel labeled as CP3100 on Sheet 300-E-001 and the Control Panel specified as CP3001 in Specification 16176 are the same panel.
29. The ground grid referred to on Sheet 300-E-001 shall be bonded to the fence on the wall around the tank farm.

30. Although not specifically shown on Sheet 300-E-001, each LT (level transmitter) and FT (flow transmitter) will require a J (junction box).
31. On Sheet 000-E-005, Panel PWC is located at the MSW Cell, adjacent to the Panel LWC. On the electrical plans, LWC and LWC-2 refer to the same panel at the MSW Cell.
32. Manual Transfer Switch 25 KAIC, as shown on 000-E-003, is proposed next to the meter. Only one manual transfer switch is required.
33. On Sheet 000-E-003, in the note pointing to panel PWC, MLO is an electrical service panel designation meaning “manual lugs only”.
34. The electrical building referred to on Sheet 000-E-003 is shown on Sheet 200-E-001.
35. On Sheet 000-E-003, the generator receptacle (Y) shall be 100A 4P Crouse-Hinds Arktite with angle adapter.
36. On Sheet 300-M-003, the following devices are shown, but not specified.

Device LA3001 – Loading Arm – a supported boom arm for long variable reach as manufactured by OPW (Model B-32-F, Stainless Steel).

FE 3003 and 3004 – Flow Element – See Specification 17212 (attached).

CV 3001 – Control Valve – See Specification 15140 for additional information.

37. On Sheet 300-M-002, the tank level probe is to be mounted on a flange nozzle at the bottom of the tank wall. The wiring is shown on the electrical plans. Transmitter and junction boxes are to be mounted per manufacturer’s recommendations.
38. Specification 17212, included with this addendum, describes the flow sensors to be utilized on this project. The level sensors are to be mounted on the pumps.
39. No isolation junction boxes are shown on Sheet 000-C-004 or 000-C-005 for either instruments or pump power. These junction boxes are generally provided by the pump manufacturer and are included in the control panel at the pump risers.
40. The surge suppressor units shown for CP1100, CP1200, CP1300, CP2100, and CP 2200 in the electrical plans are to be furnished by the General Contractor. Surge suppressors for CP1100, CP1200, and CP1300 are called out as TVSS for Panel PWC on Sheet 000-E-005. Surge suppressors for CP2100 and CP2200 are called out as TVSS for Panel MDP on Sheet 000-E-005. Surge suppressors are not required for Panels LPCP and CP3100.
41. Each leachate pump side slope riser shall be rated Class 1 Div 1 within 3 feet of the pumping equipment
42. The Whatley poles for Type “A” lighting fixtures to be direct buried. No aluminum anchor base is necessary, as specified in the description.

43. In a previous addendum, the clarification was made that reinforced GCL was to be used for subbase material on the side slopes of the MSW Cell. A revised copy of the GCL Specification (Section 02779) is included with this addendum. This new version replaces the original Specification Section 02779 in its entirety.
44. The General Contractor will be responsible for purchase and installation of all geosynthetics.
45. Responses to manufacturer questions regarding the Leachate Storage Tank:
  - a. The leachate storage tank should include a standard 30-inch (minimum) circular manway near the bottom of the tank to allow for access into the interior of the tank. The location of this manway was not shown on the drawings, but should be located about 3 feet above the concrete pedestal at the base of the stairs on the east side of the tank. Additionally, the width of the concrete stairs and pedestal was omitted from Drawing 300-S-001. This dimension is 8'-0".
  - b. The access hatch on the top of the tank that is referenced in Section 13206 of the Specifications should be manufacturer's standard and should be located near the landing at the top of the spiral access stairway. This location is opposite the manway at the bottom of the tank and should facilitate ventilation inside the tank when it is taken out of service for inspection and maintenance. Additionally, there should be a manufacturer's standard vent located at the top of the tank, preferably near the center (high point) of the tank.
  - c. Specification Section 13206 Paragraph 3.02, G.1 calls for an 8" PVC overflow pipe. Aluminum or HDPE pipe will be acceptable alternates to the PVC pipe specified. The overflow pipe should extend down the full side of the tank wall and discharge flow toward the trench drain on the west side of the tank.
  - d. The tank manufacturer is required to design and supply a passive anode cathodic protection system for the leachate storage tank as specified in Section 13206 Paragraph 3.02, G.5. An active impressed current system is not intended. Similarly, cathodic protection of buried piping isolated from the tank is not intended.
  - e. The callout for the eyewash/shower station is shown in the wrong location on Drawing 300-M-001. The callout points to the eyewash/shower station in the southeast corner of the secondary containment area. This station has been moved to a location on the northwest side of the tank (under the spiral staircase). The location of the eyewash/shower station itself is shown correctly on this sheet. However, the callout was inadvertently left at the old location.
  - f. There are two symbols, consisting of solid triangles within circles, shown on Drawing 300-M-001 that are not identified. These are at-grade hose bibs, mounted on the secondary containment walls, intended to facilitate washdown of the tank and

secondary containment area if needed. Figure 2 included with this addendum shows a detail of the Utility Station and connections.